

## BARBARA-G2-S

~12° spot beam compatible with LEDiL HEKLA

### SPECIFICATION:

Dimensions	Ø 70.0
Height	41.9 mm
Fastening	socket
ROHS compliant	yes ⓘ

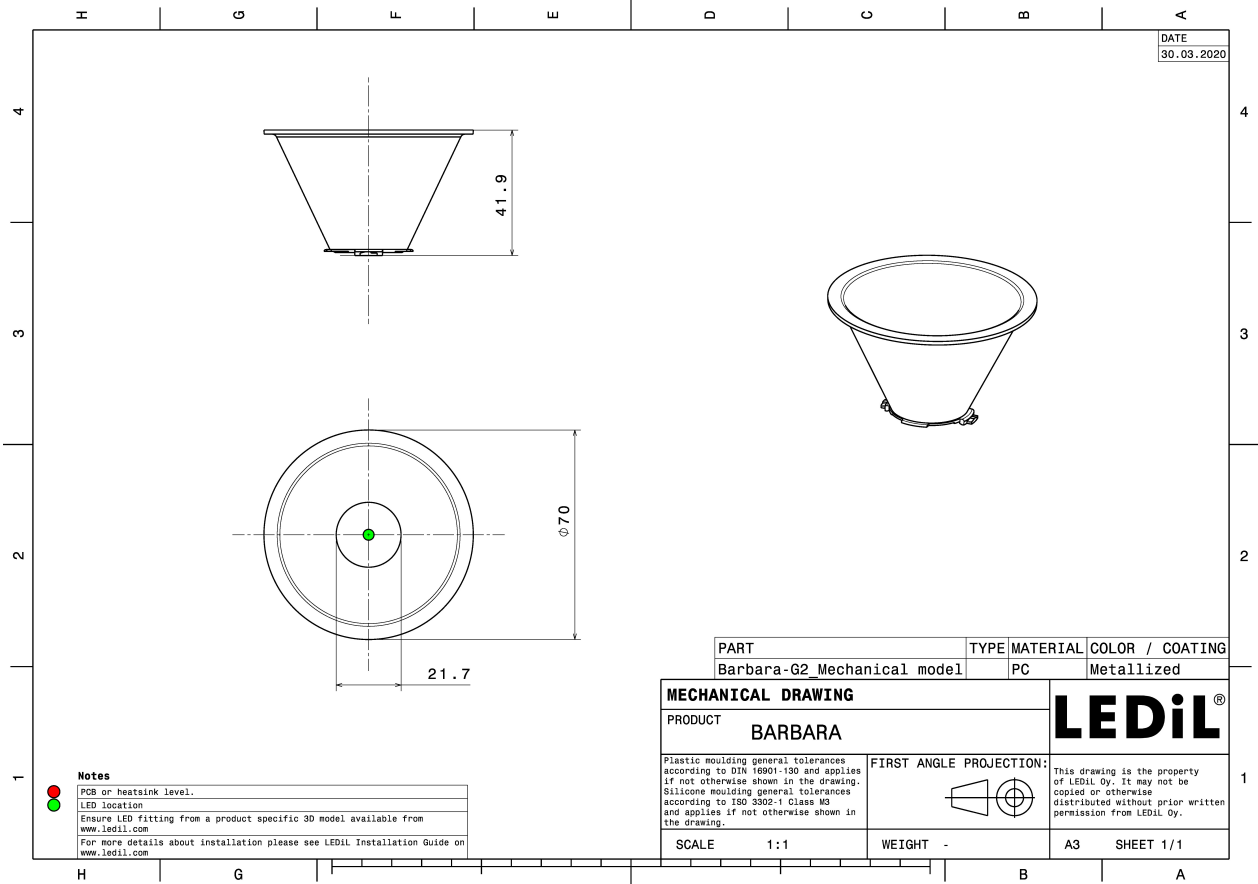


### MATERIALS:

Component	Type	Material	Colour	Finish	Coating
BARBARA-G2-S	Reflector	PC	metal		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16363_BARBARA-G2-S » Box size: 480 x 280 x 300 mm	252	90	18	4.6

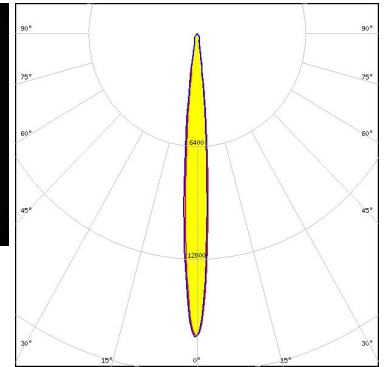


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

bridgelux

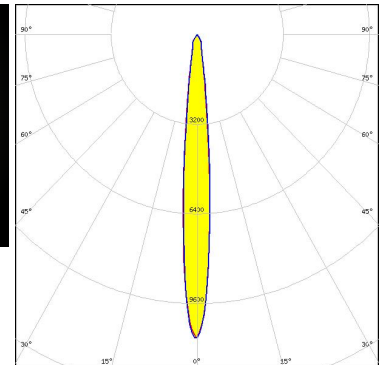
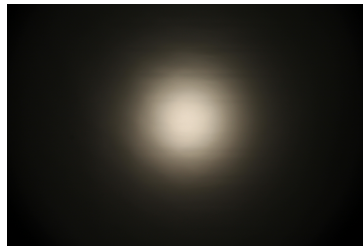
LED V4 HD Gen 7  
 FWHM / FWTM 9.0° / 19.0°  
 Efficiency 91 %  
 Peak intensity 17.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A



Light distribution files

bridgelux

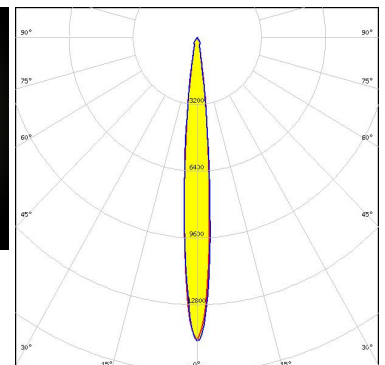
LED V4 HD Gen 7  
 FWHM / FWTM 10.0° / 24.0°  
 Efficiency 86 %  
 Peak intensity 10.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15253\_HEKLA-SOCKET-A  
 C14658\_BARBARA-RZ-LENS



Light distribution files

bridgelux

LED V6 HD Gen 7  
 FWHM / FWTM 10.0° / 21.0°  
 Efficiency 91 %  
 Peak intensity 14.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

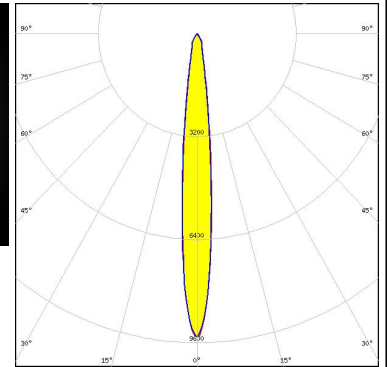


Light distribution files

#### OPTICAL RESULTS (MEASURED):



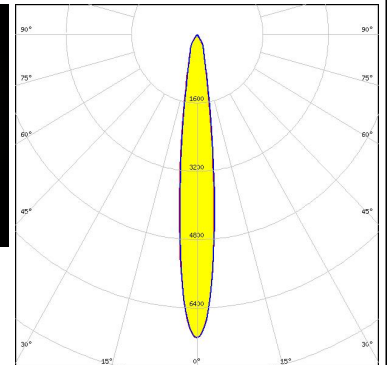
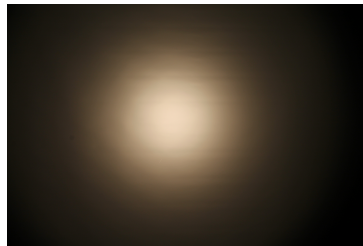
**LED** V6 HD Gen 7  
**FWHM / FWTM** 11.0° / 27.0°  
**Efficiency** 86 %  
**Peak intensity** 9.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C  
 C14658\_BARBARA-RZ-LENS



Light distribution files



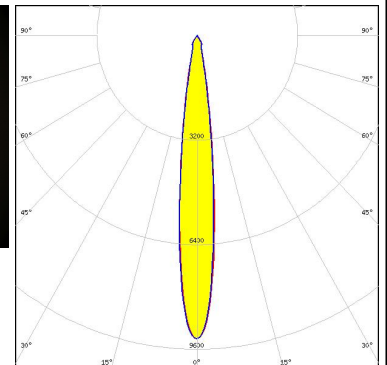
**LED** V9 HD Gen7  
**FWHM / FWTM** 14.0° / 33.0°  
**Efficiency** 85 %  
**Peak intensity** 7.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I  
 C14658\_BARBARA-RZ-LENS



Light distribution files



**LED** V9 HD Gen7  
**FWHM / FWTM** 13.0° / 28.0°  
**Efficiency** 89 %  
**Peak intensity** 9.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15256\_HEKLA-SOCKET-D

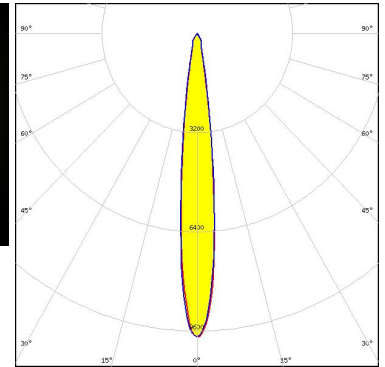


Light distribution files

#### OPTICAL RESULTS (MEASURED):



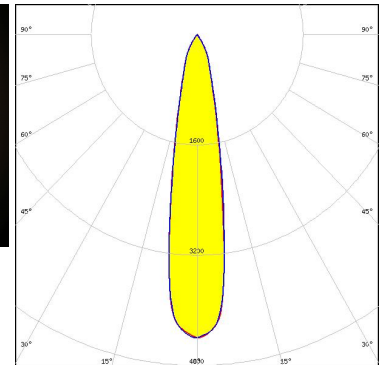
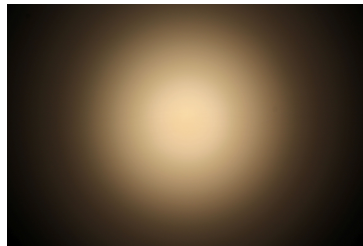
**LED** V9 HD Gen7  
**FWHM / FWTM** 13.0° / 26.0°  
**Efficiency** 91 %  
**Peak intensity** 9.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I



Light distribution files



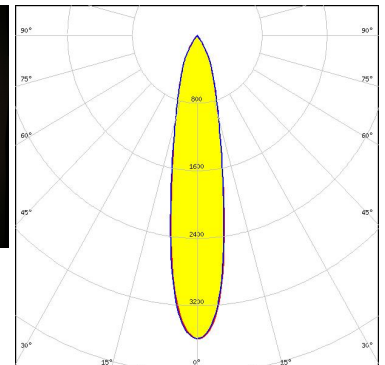
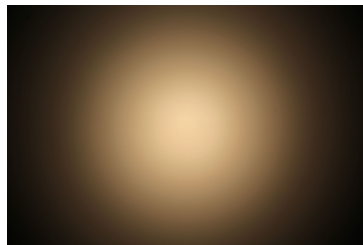
**LED** Vesta DTW 13mm (21W)  
**FWHM / FWTM** 20.0° / 47.0°  
**Efficiency** 87 %  
**Peak intensity** 4.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 491 Typ L8



Light distribution files



**LED** Vesta DTW 13mm (21W)  
**FWHM / FWTM** 21.0° / 54.0°  
**Efficiency** 81 %  
**Peak intensity** 3.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 491 Typ L8



Light distribution files

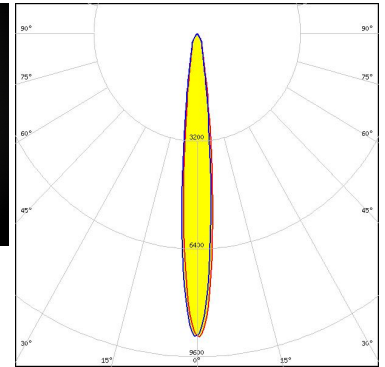
#### OPTICAL RESULTS (MEASURED):



LED Vesta TW 6mm DP  
 FWHM / FWTM 11.0° / 27.0°  
 Efficiency 82 %  
 Peak intensity 9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

- C16142\_HEKLA-SOCKET-K
- C14658\_BARBARA-RZ-LENS
- Bender Wirth: 504 Typ L8



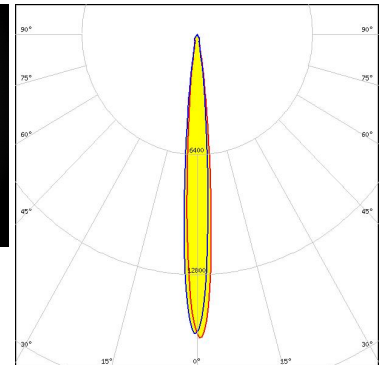
Light distribution files



LED Vesta TW 6mm DP  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 86 %  
 Peak intensity 16.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

- C16142\_HEKLA-SOCKET-K
- Bender Wirth: 504 Typ L8



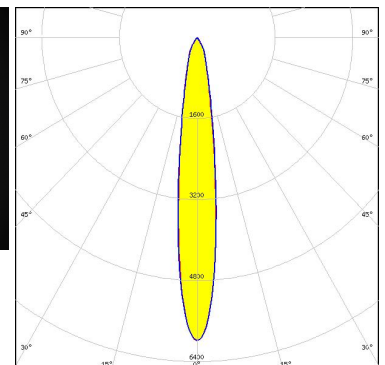
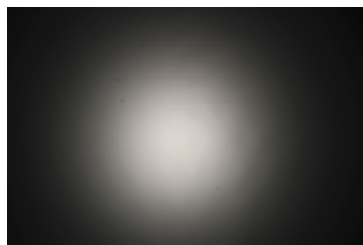
Light distribution files



LED Vesta TW 9mm (12W) CSP  
 FWHM / FWTM 15.0° / 38.0°  
 Efficiency 83 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White

Required components:

- C16142\_HEKLA-SOCKET-K
- C14658\_BARBARA-RZ-LENS

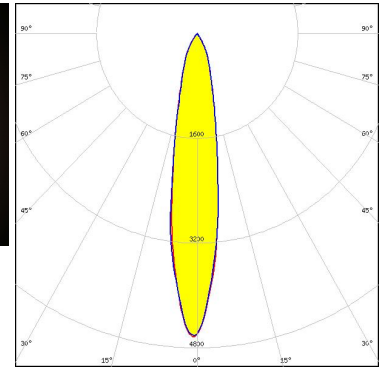


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

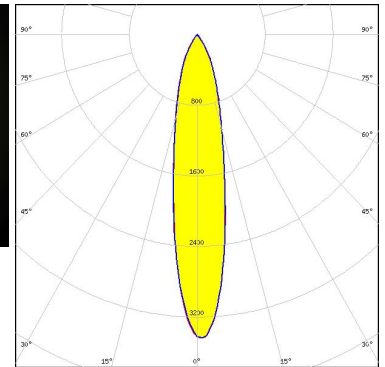
LED CLC030 Series (Dim-To-Warm)  
 FWHM / FWTM 18.0° / 47.0°  
 Efficiency 86 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 436 Typ L8



Light distribution files

### CITIZEN

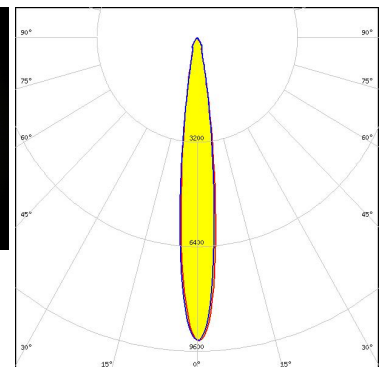
LED CLC030 Series (Dim-To-Warm)  
 FWHM / FWTM 21.0° / 55.0°  
 Efficiency 81 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 436 Typ L8



Light distribution files

### CITIZEN

LED CLU02x (LES10)  
 FWHM / FWTM 13.0° / 28.0°  
 Efficiency 91 %  
 Peak intensity 9.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

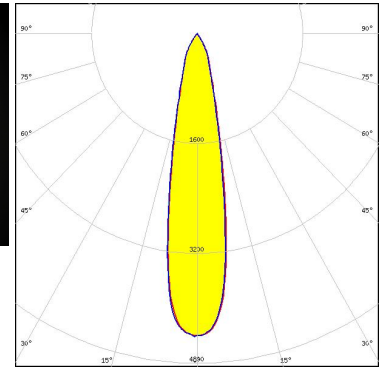
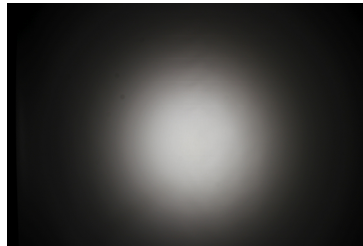


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### CITIZEN

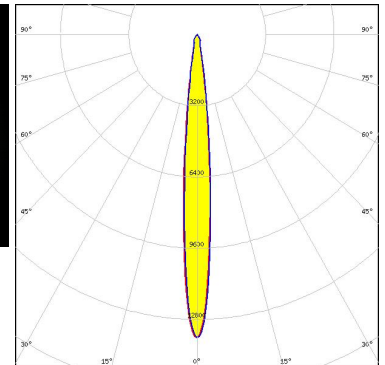
LED CLU03x  
 FWHM / FWTM 21.0° / 48.0°  
 Efficiency 91 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

### CITIZEN

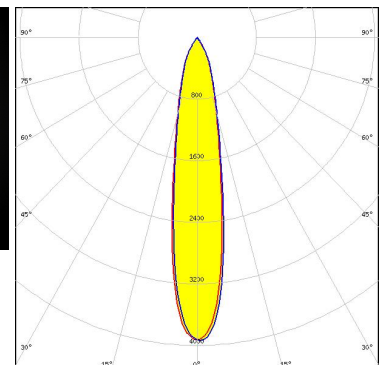
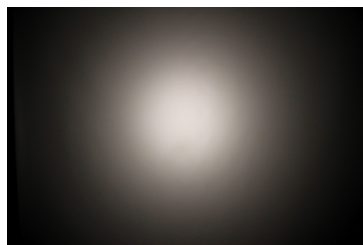
LED CLU700/701/702/703  
 FWHM / FWTM 10.0° / 22.0°  
 Efficiency 90 %  
 Peak intensity 13.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

### CITIZEN

LED LCN-C02B (Tunable White)  
 FWHM / FWTM 19.0° / 50.0°  
 Efficiency 81 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type Tunable White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 481 Typ L8



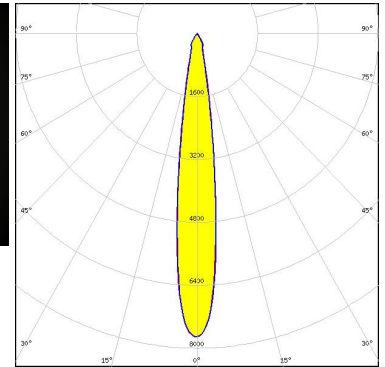
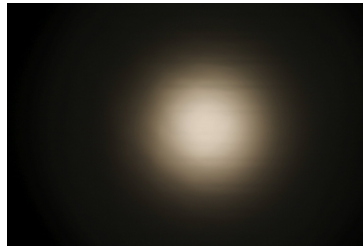
Light distribution files



#### OPTICAL RESULTS (MEASURED):



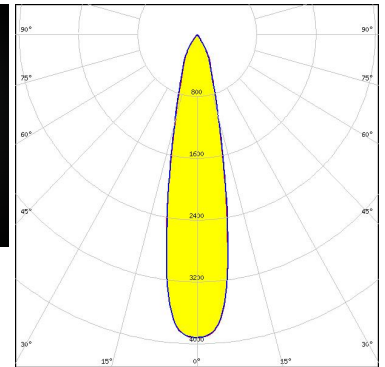
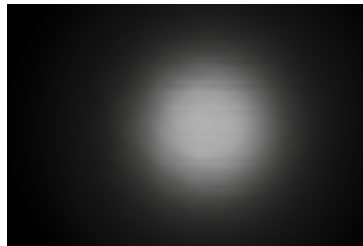
LED CMT14xx  
 FWHM / FWTM 15.0° / 30.0°  
 Efficiency 90 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files



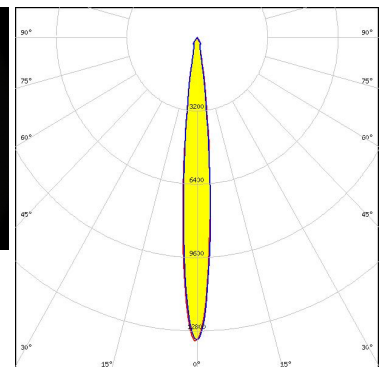
LED CMT19xx  
 FWHM / FWTM 22.0° / 52.0°  
 Efficiency 90 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files



LED CXA/B 13xx  
 FWHM / FWTM 11.0° / 23.0°  
 Efficiency 91 %  
 Peak intensity 13.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15956\_HEKLA-SOCKET-J

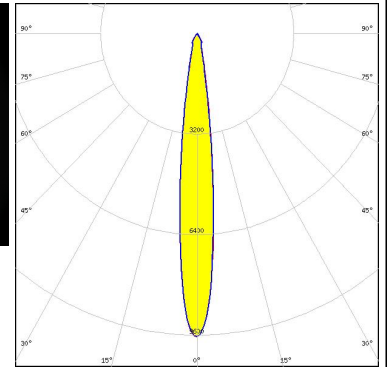


Light distribution files

#### OPTICAL RESULTS (MEASURED):



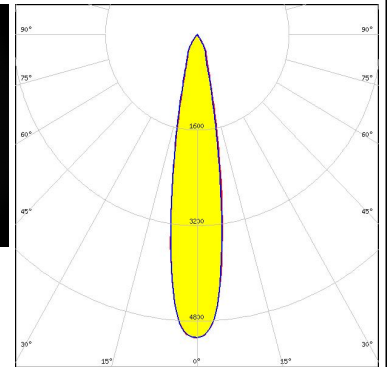
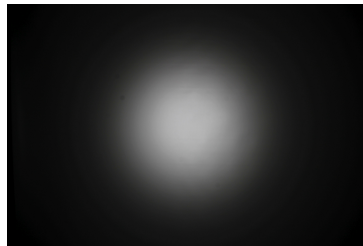
LED CXA/B 15xx  
 FWHM / FWTM 13.0° / 27.0°  
 Efficiency 92 %  
 Peak intensity 9.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



Light distribution files



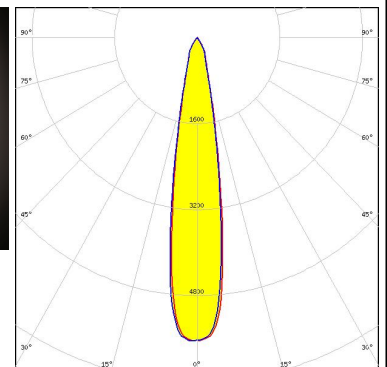
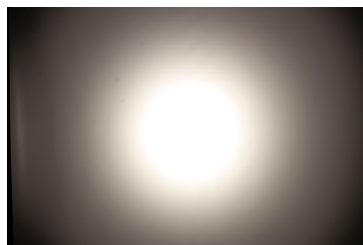
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 19.0° / 41.0°  
 Efficiency 89 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15254\_HEKLA-SOCKET-B



Light distribution files



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM / FWTM 19.0° / 39.0°  
 Efficiency 92 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D

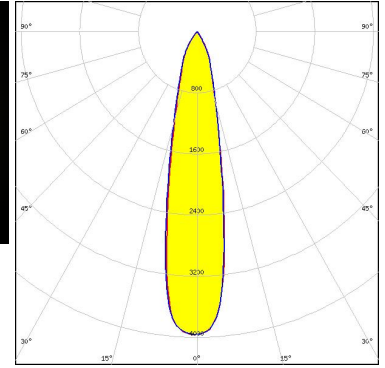


Light distribution files

#### OPTICAL RESULTS (MEASURED):



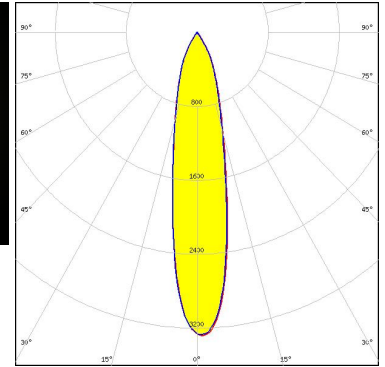
LED LUXEON CX Plus CoB L08 (Gen2)  
 FWHM / FWTM 21.0° / 52.0°  
 Efficiency 88 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 637a Hekla



Light distribution files



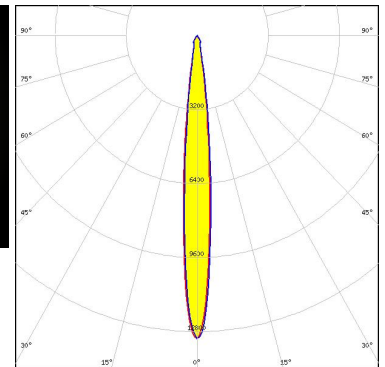
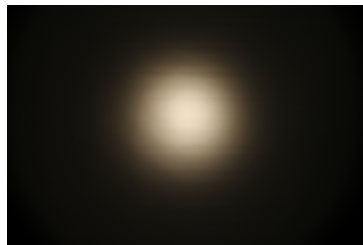
LED LUXEON CX Plus CoB L08 (Gen2)  
 FWHM / FWTM 21.0° / 56.0°  
 Efficiency 80 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 637a Hekla



Light distribution files



LED LUXEON CoB 1202HD  
 FWHM / FWTM 10.0° / 22.0°  
 Efficiency 90 %  
 Peak intensity 13.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15848\_HEKLA-SOCKET-G

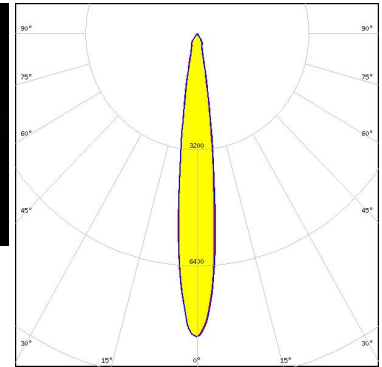


Light distribution files

#### OPTICAL RESULTS (MEASURED):



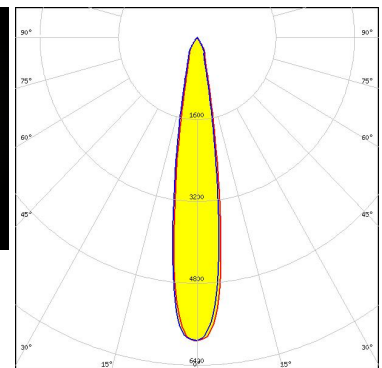
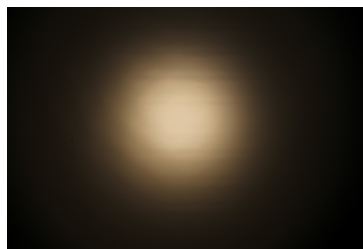
LED LUXEON CoB 1204HD  
 FWHM / FWTM 14.0° / 29.0°  
 Efficiency 90 %  
 Peak intensity 8.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



Light distribution files



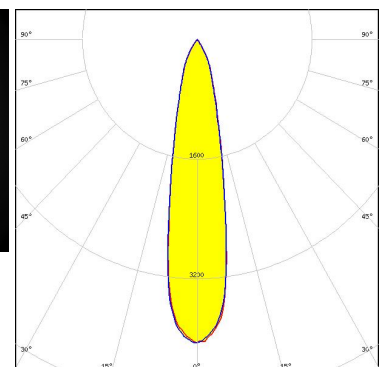
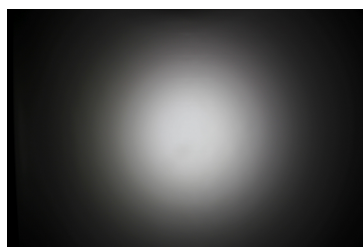
LED LUXEON CoB 1205HD  
 FWHM / FWTM 17.0° / 37.0°  
 Efficiency 89 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H



Light distribution files



LED LUXEON CoB 1208  
 FWHM / FWTM 22.0° / 51.0°  
 Efficiency 88 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 632a Hekla XL

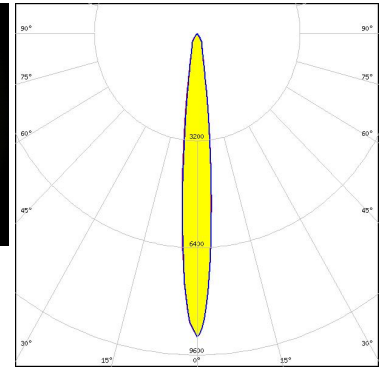


Light distribution files

#### OPTICAL RESULTS (MEASURED):



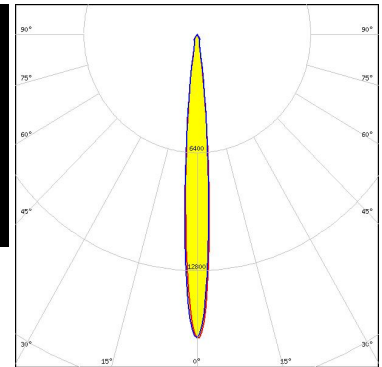
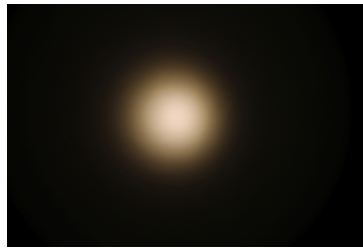
LED LUXEON CX Plus CoB - HD S01H4  
 FWHM / FWTM 11.0° / 27.0°  
 Efficiency 83 %  
 Peak intensity 9.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 634c Hekla



Light distribution files



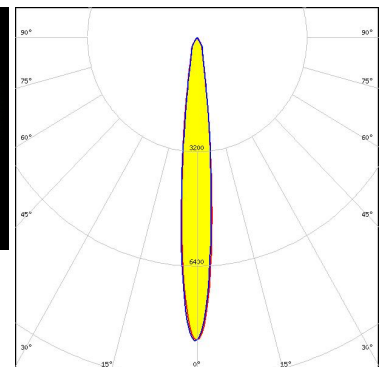
LED LUXEON CX Plus CoB - HD S01H4  
 FWHM / FWTM 9.0° / 20.0°  
 Efficiency 89 %  
 Peak intensity 16.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S02H6  
 FWHM / FWTM 12.0° / 29.0°  
 Efficiency 83 %  
 Peak intensity 8.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 634c Hekla

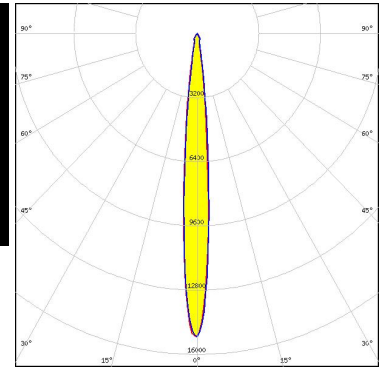


Light distribution files

#### OPTICAL RESULTS (MEASURED):



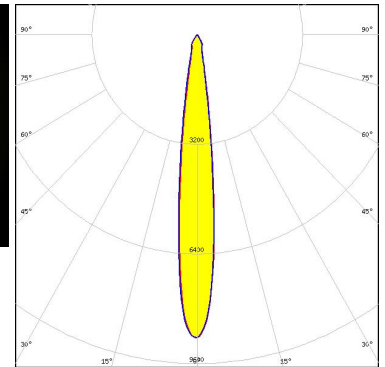
LED LUXEON CX Plus CoB - HD S02H6  
 FWHM / FWTM 10.0° / 21.0°  
 Efficiency 89 %  
 Peak intensity 15.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 634c Hekla



Light distribution files



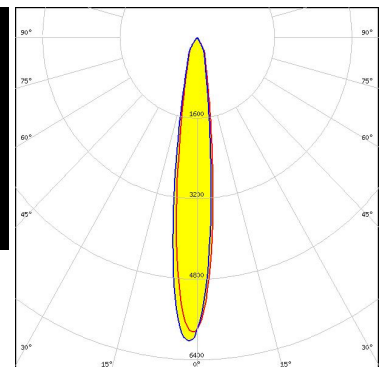
LED LUXEON CX Plus CoB - HD S04H9  
 FWHM / FWTM 13.0° / 28.0°  
 Efficiency 89 %  
 Peak intensity 8.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S04H9  
 FWHM / FWTM 15.0° / 37.0°  
 Efficiency 83 %  
 Peak intensity 6.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 634c Hekla

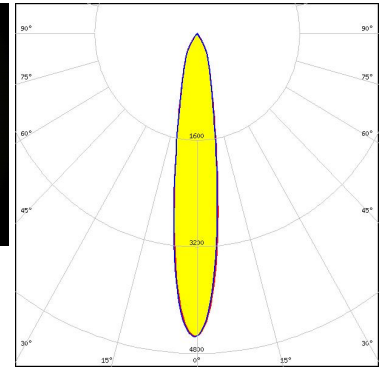


Light distribution files

#### OPTICAL RESULTS (MEASURED):



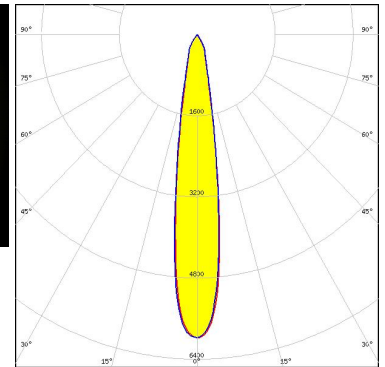
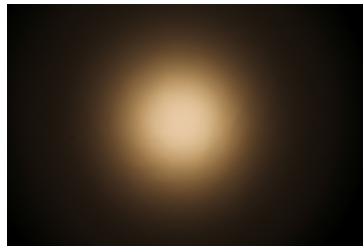
LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
FWHM / FWTM 17.0° / 47.0°  
Efficiency 82 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14658\_BARBARA-RZ-LENS  
Bender Wirth: 637a Hekla



Light distribution files



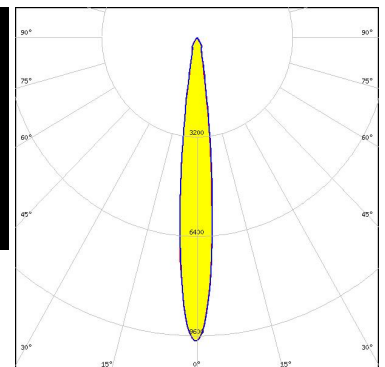
LED LUXEON CX Plus CoB L04 / L05 (Gen2)  
FWHM / FWTM 17.0° / 38.0°  
Efficiency 88 %  
Peak intensity 6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
Bender Wirth: 637a Hekla



Light distribution files



LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 89 %  
Peak intensity 9.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
Bender Wirth: 641a Hekla

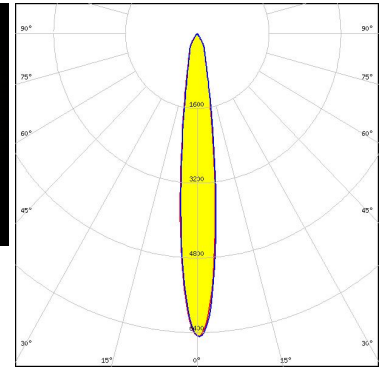


Light distribution files

#### OPTICAL RESULTS (MEASURED):



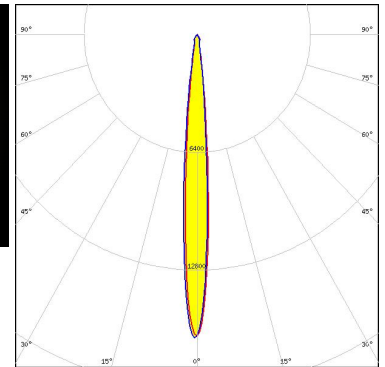
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 FWHM / FWTM 14.0° / 35.0°  
 Efficiency 82 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 641a Hekla



Light distribution files



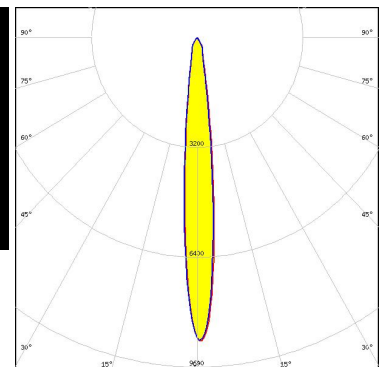
LED LUXEON CX Plus CoB S01 (Gen2)  
 FWHM / FWTM 9.0° / 19.0°  
 Efficiency 89 %  
 Peak intensity 16.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB S01 (Gen2)  
 FWHM / FWTM 11.0° / 27.0°  
 Efficiency 82 %  
 Peak intensity 9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 634c Hekla



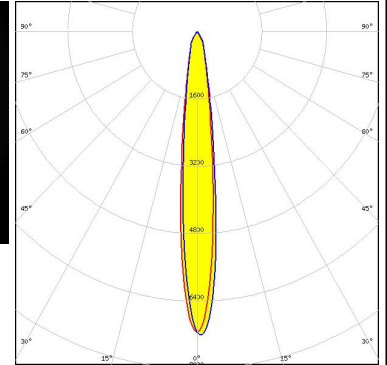
Light distribution files



#### OPTICAL RESULTS (MEASURED):



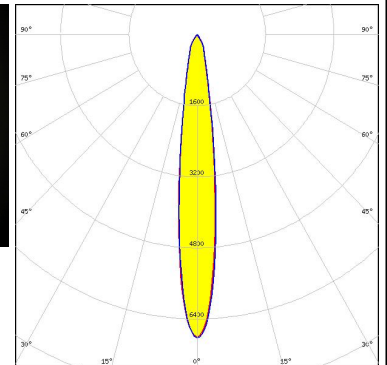
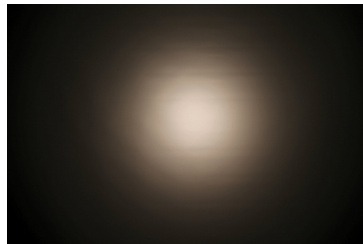
LED LUXEON Fusion 21-up (20x24)  
 FWHM / FWTM 13.0° / 33.0°  
 Efficiency 82 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 21  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 442 Typ L8



Light distribution files



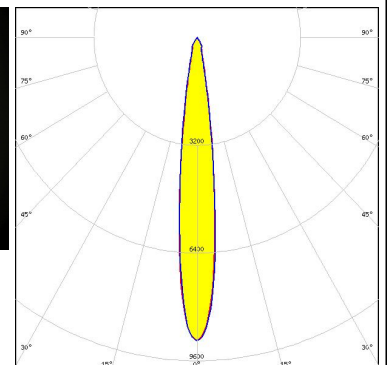
LED Fortimo SLM L09 CoB  
 FWHM / FWTM 14.0° / 35.0°  
 Efficiency 87 %  
 Peak intensity 6.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H  
 C14658\_BARBARA-RZ-LENS



Light distribution files



LED Fortimo SLM L09 CoB  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 91 %  
 Peak intensity 9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15858\_HEKLA-SOCKET-H

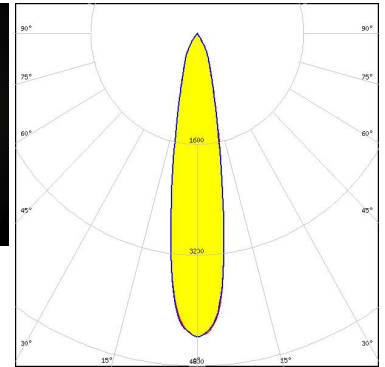
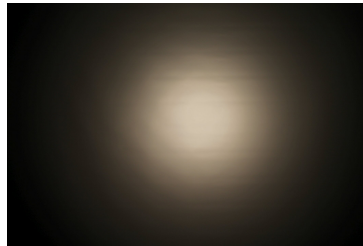


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### PHILIPS

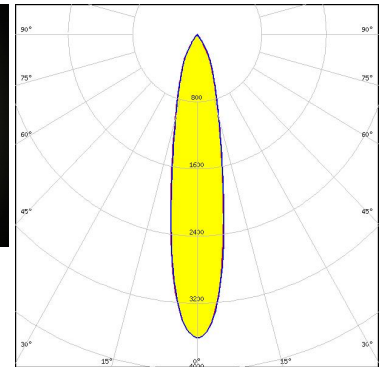
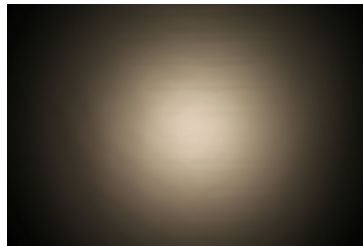
LED Fortimo SLM L13 CoB  
 FWHM / FWTM 20.0° / 48.0°  
 Efficiency 87 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 432 Typ L8



Light distribution files

### PHILIPS

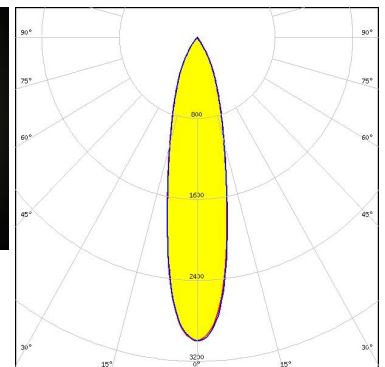
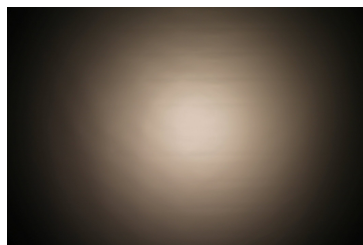
LED Fortimo SLM L13 CoB  
 FWHM / FWTM 20.0° / 54.0°  
 Efficiency 82 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 432 Typ L8



Light distribution files

### PHILIPS

LED Fortimo SLM L15 CoB  
 FWHM / FWTM 23.0° / 57.0°  
 Efficiency 81 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 C14658\_BARBARA-RZ-LENS  
 Bender Wirth: 432 Typ L8

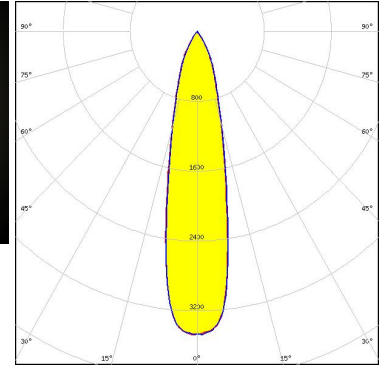


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### PHILIPS

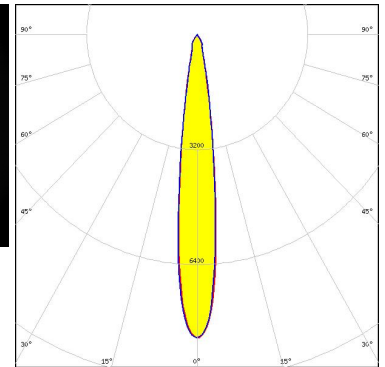
LED Fortimo SLM L15 CoB  
 FWHM / FWTM 23.0° / 55.0°  
 Efficiency 86 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K  
 Bender Wirth: 432 Typ L8



Light distribution files

### SAMSUNG

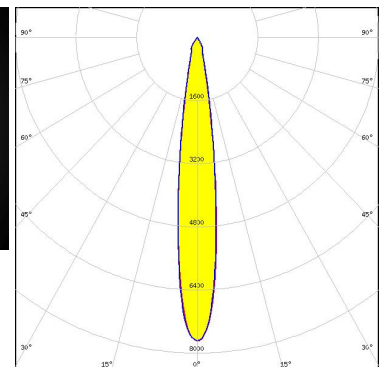
LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 14.0° / 29.0°  
 Efficiency 90 %  
 Peak intensity 8.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

### SAMSUNG

LED LC003D / LC006D / LC009D / LC013D  
 FWHM / FWTM 15.0° / 31.0°  
 Efficiency 90 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

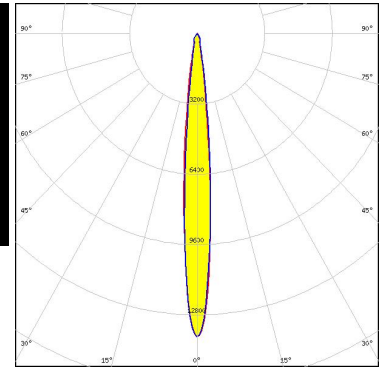
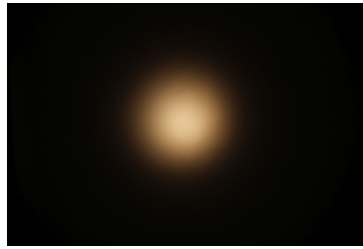


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

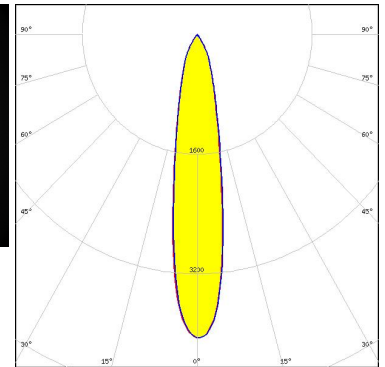
LED LC010C G2  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 90 %  
Peak intensity 13.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C



Light distribution files

### SAMSUNG

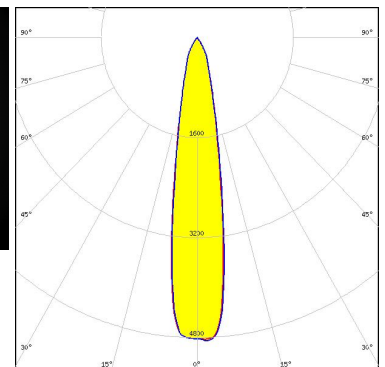
LED LC020T (Tunable white)  
FWHM / FWTM 19.0° / 50.0°  
Efficiency 82 %  
Peak intensity 4.1 cd/lm  
LEDs/each optic 1  
Light colour/type Tunable White  
Required components:  
C16142\_HEKLA-SOCKET-K  
C14658\_BARBARA-RZ-LENS  
Bender Wirth: 501 Typ L8



Light distribution files

### SAMSUNG

LED LC020T (Tunable white)  
FWHM / FWTM 19.0° / 44.0°  
Efficiency 87 %  
Peak intensity 4.9 cd/lm  
LEDs/each optic 1  
Light colour/type Tunable White  
Required components:  
C16142\_HEKLA-SOCKET-K  
Bender Wirth: 501 Typ L8

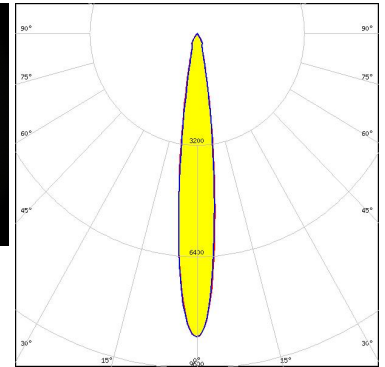


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### TRIDONIC

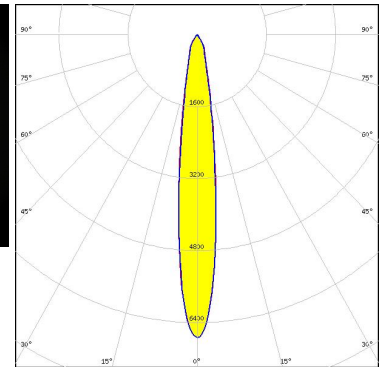
LED SLE G7 LES09  
 FWHM / FWTM 14.0° / 29.0°  
 Efficiency 92 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

### TRIDONIC

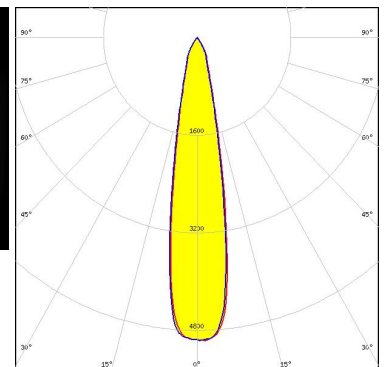
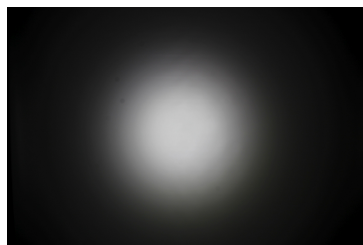
LED SLE G7 LES09  
 FWHM / FWTM 14.0° / 35.0°  
 Efficiency 88 %  
 Peak intensity 6.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C14658\_BARBARA-RZ-LENS



Light distribution files

### TRIDONIC

LED SLE G7 LES13  
 FWHM / FWTM 20.0° / 43.0°  
 Efficiency 92 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I

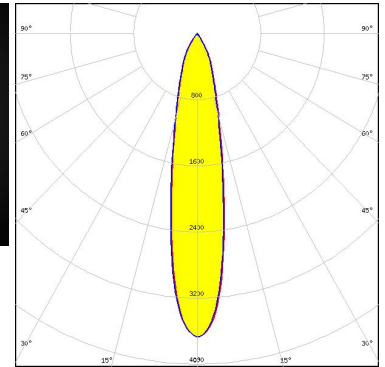


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### TRIDONIC

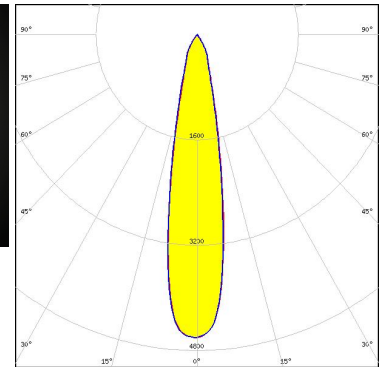
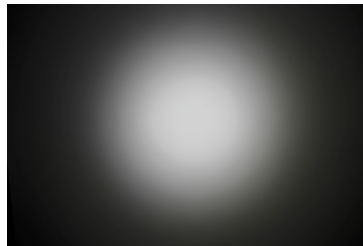
LED SLE G7 LES13  
FWHM / FWTM 20.0° / 54.0°  
Efficiency 82 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I  
C14658\_BARBARA-RZ-LENS



Light distribution files

### TRIDONIC

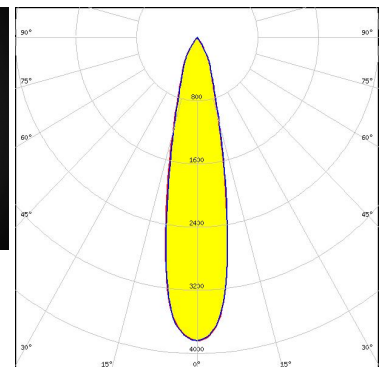
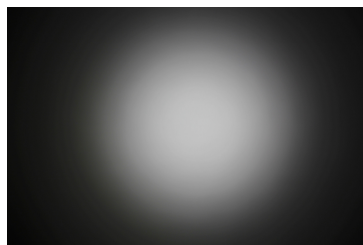
LED SLE G7 LES13  
FWHM / FWTM 20.0° / 45.0°  
Efficiency 89 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I



Light distribution files

### TRIDONIC

LED SLE G7 LES15  
FWHM / FWTM 23.0° / 53.0°  
Efficiency 89 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I

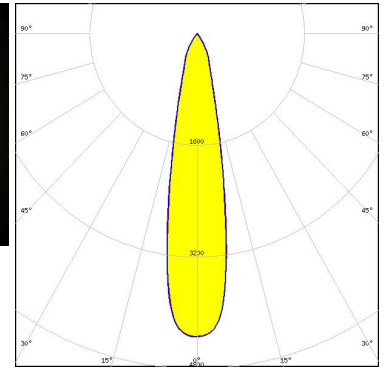


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### XICATO

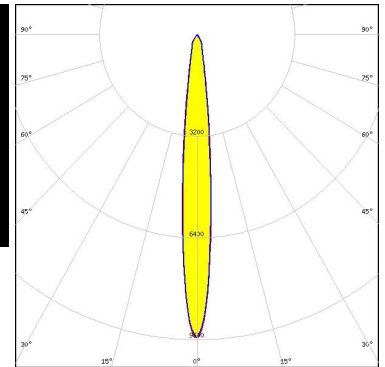
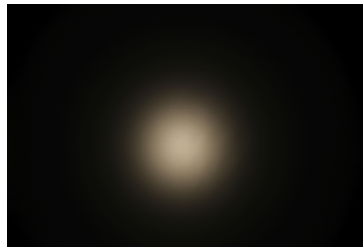
LED XOB 14.5 mm  
 FWHM / FWTM 21.0° / 48.0°  
 Efficiency 91 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15859\_HEKLA-SOCKET-I



Light distribution files

### XICATO

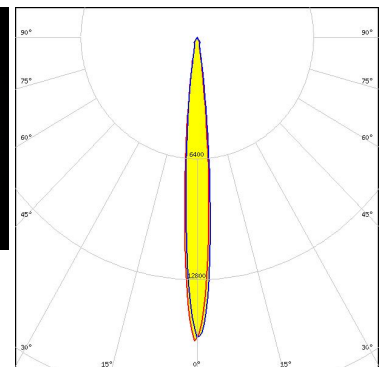
LED XOB 6 mm  
 FWHM / FWTM 11.0° / 27.0°  
 Efficiency 85 %  
 Peak intensity 9.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C14658\_BARBARA-RZ-LENS



Light distribution files

### XICATO

LED XOB 6 mm  
 FWHM / FWTM 9.0° / 20.0°  
 Efficiency 89 %  
 Peak intensity 16 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C

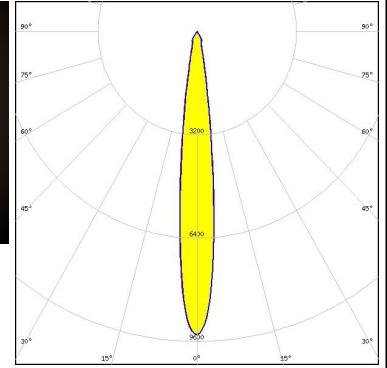


Light distribution files

## OPTICAL RESULTS (MEASURED):

### XICATO

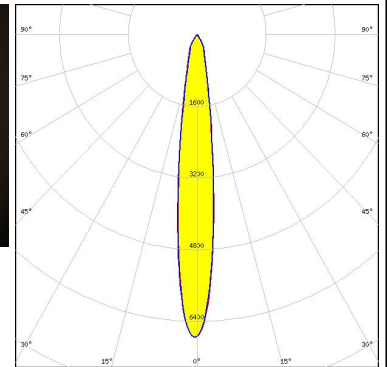
LED XOB 9.8 mm  
 FWHM / FWTM 13.0° / 27.5 + 27.0°  
 Efficiency 90 %  
 Peak intensity 9.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C



Light distribution files

### XICATO

LED XOB 9.8 mm  
 FWHM / FWTM 14.0° / 35.5 + 34.5°  
 Efficiency 86 %  
 Peak intensity 6.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15255\_HEKLA-SOCKET-C  
 C14658\_BARBARA-RZ-LENS



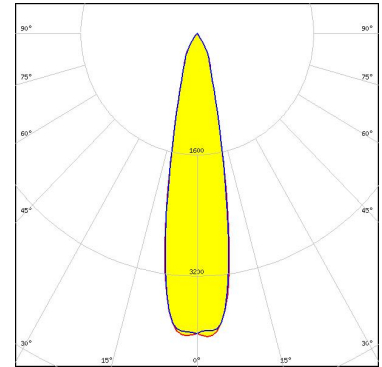
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



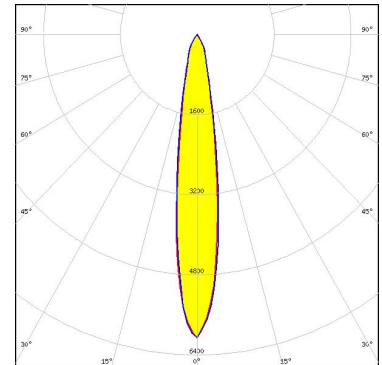
**LED** V13 Gen 8-9  
**FWHM / FWTM** 22.0° / 50.0°  
**Efficiency** 88 %  
**Peak intensity** 4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F17438\_HEKLA-G2-I



Light distribution files



**LED** Vesta DTW 15mm (33W)  
**FWHM / FWTM** 16.0° / 38.0°  
**Efficiency** 86 %  
**Peak intensity** 6.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K

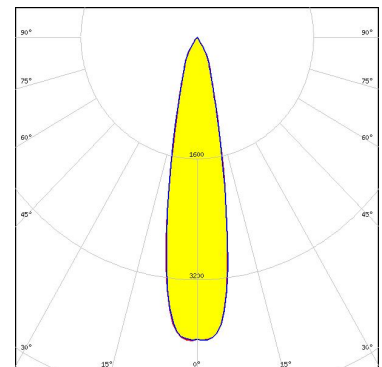


Bender Wirth: 491 Typ L8

Light distribution files



**LED** CMA1840  
**FWHM / FWTM** 22.0° / 50.0°  
**Efficiency** 87 %  
**Peak intensity** 4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



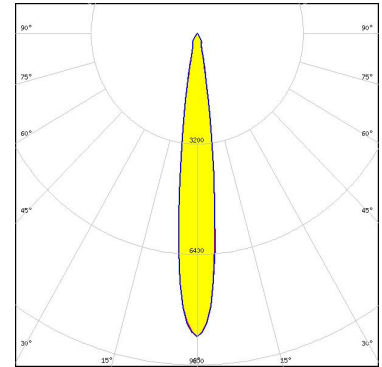
Bender Wirth: 637a Hekla

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



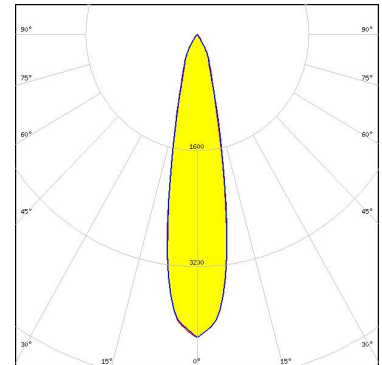
LED CMT14xx  
FWHM / FWTM 13.0° / 27.0°  
Efficiency 84 %  
Peak intensity 8.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C



Light distribution files



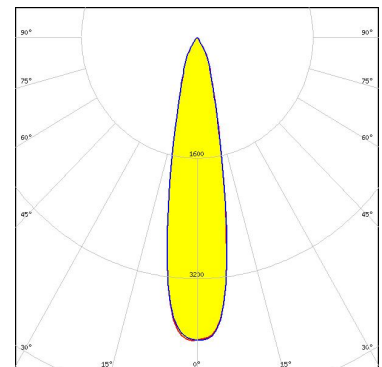
LED CMU15xx  
FWHM / FWTM 22.0° / 49.0°  
Efficiency 88 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I



Light distribution files

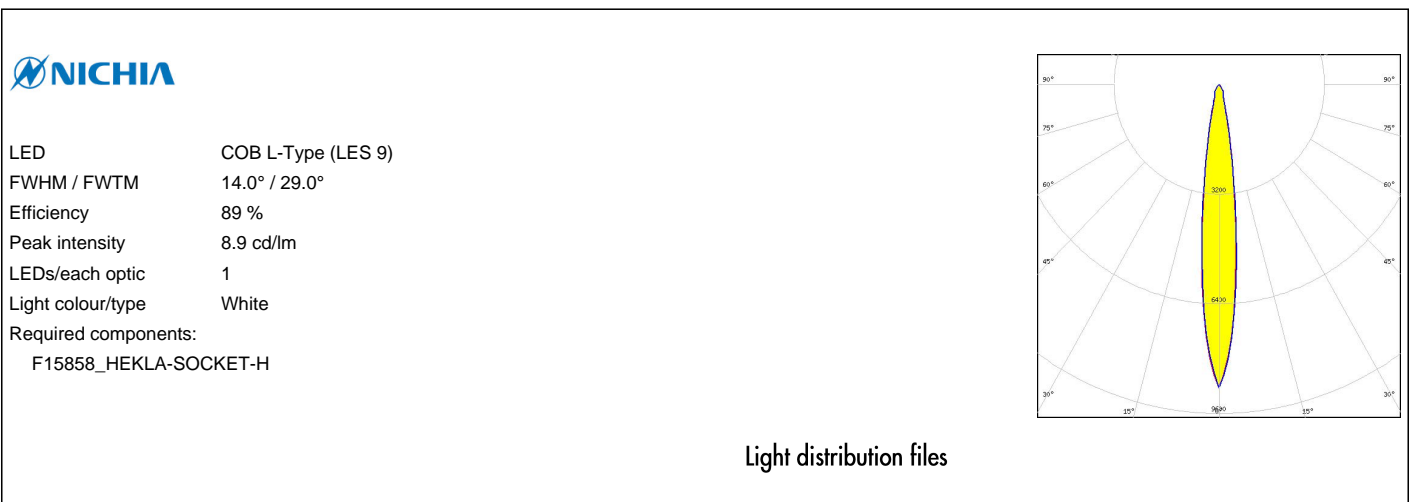
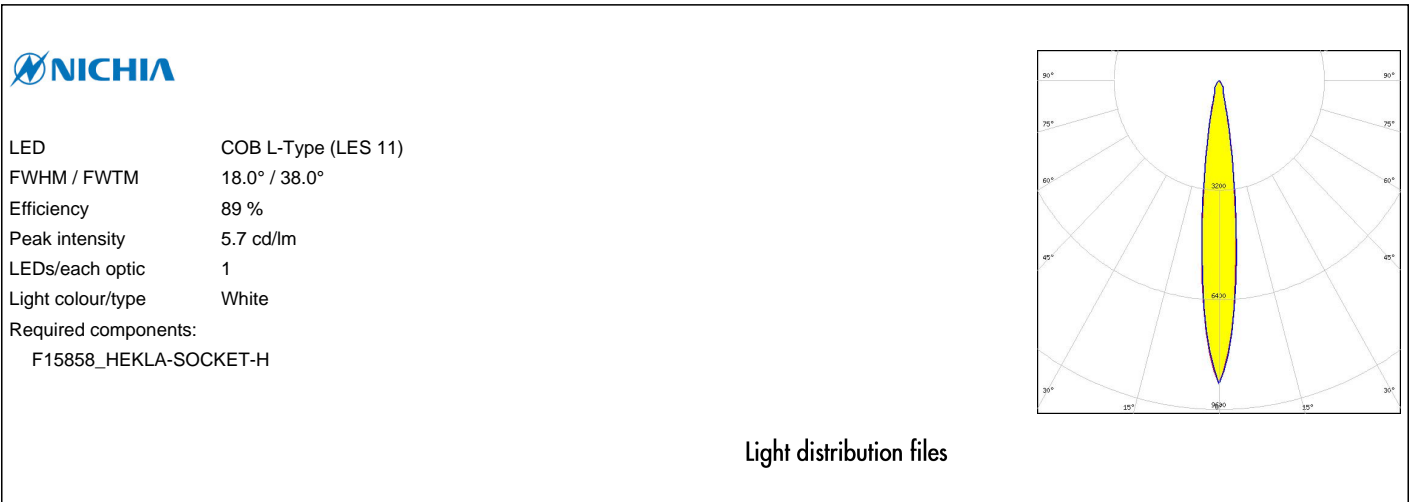


LED LUXEON CoB 1208  
FWHM / FWTM 21.0° / 49.0°  
Efficiency 86 %  
Peak intensity 4.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16142\_HEKLA-SOCKET-K



Light distribution files

#### OPTICAL RESULTS (SIMULATED):



#### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

#### MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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